

Application No. 09/910,738
Amendment filed with RCE

Customer No. 01933

Listing of Claims:

Claims 1-35 (Canceled).

36. (New) An imaging apparatus for a microscope, comprising:

an imaging element which picks up an observation image of a sample formed in a microscope body;

5 a display section to display the observation image at a plurality of display magnifications;

a shutter which is operable to pick up the observation image of the sample by the observation element; and

10 a storage section which stores image data, corresponding to the observation image, picked up by the imaging element in accordance with a shutter operation of the shutter;

wherein the image data stored in the storage section is not changed even when the display magnification of the display section is changed.

37. (New) The imaging apparatus for the microscope according to claim 36, further comprising a mode switch for switching between an imaging mode in which the observation image is picked up and displayed and a reproducing mode in which the

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5 observation image stored in the storage section is reproduced and displayed.

38. (New) The imaging apparatus for the microscope according to claim 37, further comprising an operation section which is operable to select the display magnification of the observation image displayed on the display in at least one of the imaging mode and the reproducing mode.

39. (New) The imaging apparatus for the microscope according to claim 37, wherein the display magnification is displayed by the display section in at least one of the imaging mode and the reproducing mode.

40. (New) The imaging apparatus for the microscope according to claim 37, wherein the observation image displayed by the display section in the reproducing mode is a central portion of the observation image stored in the storage section.

41. (New) The imaging apparatus for the microscope according to claim 37, wherein in the reproducing mode, the operation section is operable to designate at least one part of the observation image and to cause the display section to display

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5 the designated part of the observation image at the selected display magnification.

42. (New) The imaging apparatus for the microscope according to claim 41, wherein in the reproducing mode, the operation section is operable to move the designated part of the observation image within the observation image.

43. (New) The imaging apparatus for the microscope according to claim 37, wherein in the reproducing mode, the operation section is operable to cause the display section to display an index indicating a part of the observation image.

44. (New) The imaging apparatus for the microscope according to claim 41, wherein in the reproducing mode, the at least one designated part of the observation image comprises a plurality of designated parts, and the operation section is 5 operable to cause the display section to display the designated parts in a list.

45. (New) The imaging apparatus for the microscope according to claim 44, wherein in the reproducing mode, the operation section is operable to cause the display section to

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display the designated parts of the observation image in the list reduced in scale.

46. (New) The imaging apparatus for the microscope according to claim 44, wherein in the reproducing mode, the operation section is operable to cause the display section to display the designated parts of the observation image in the list magnified in scale.